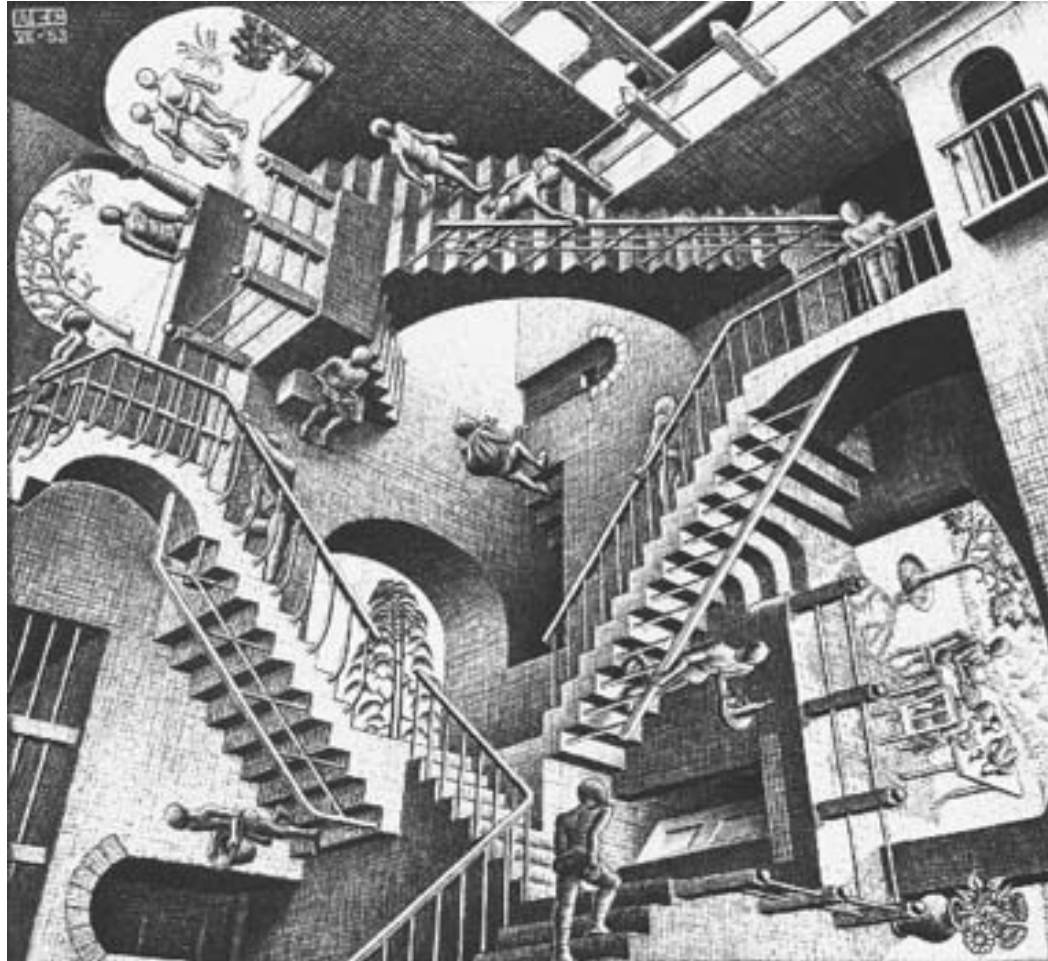


Enterprise Architecture at NETL

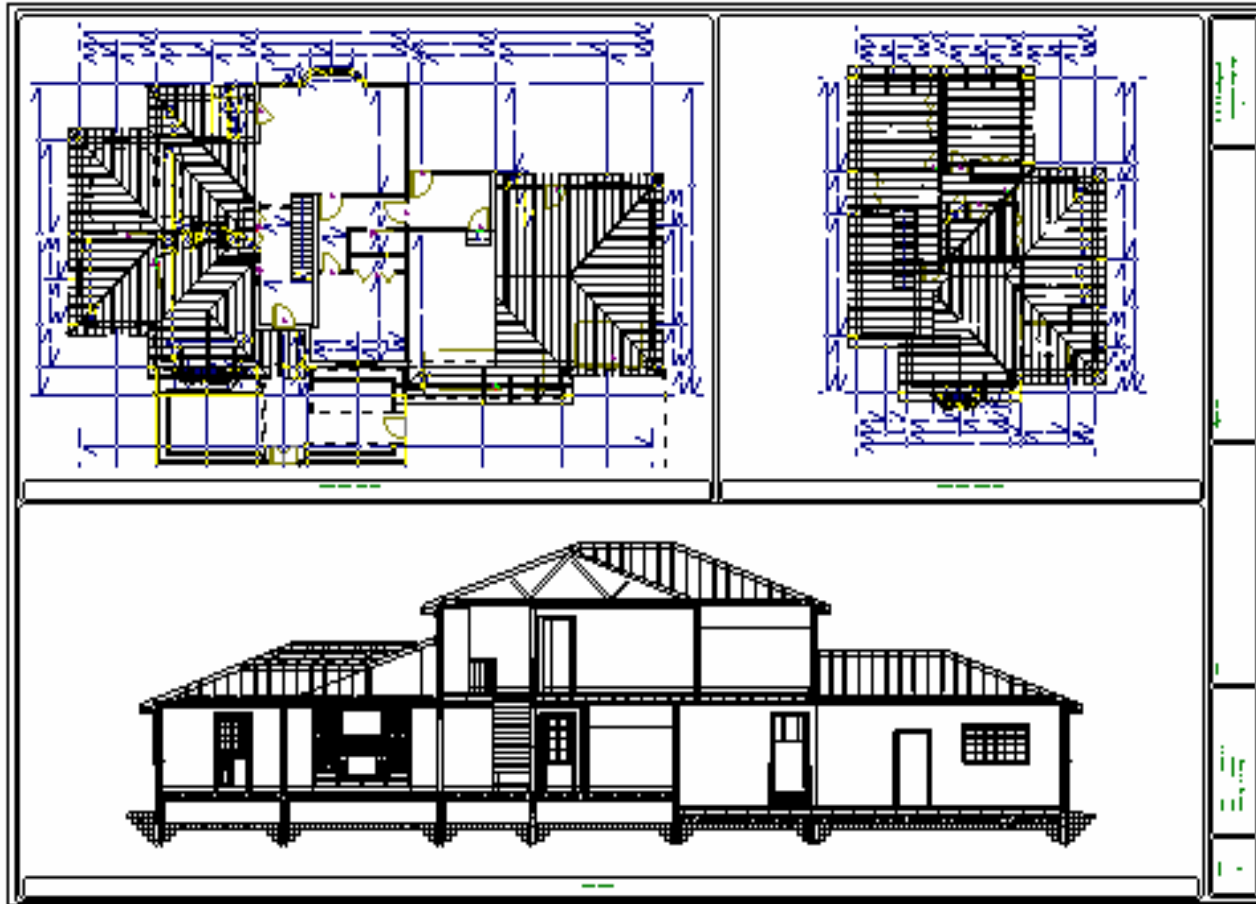
Fossil Energy IT Council
May 16, 2002



The Winchester House



EA Leads to a Well Designed Structure



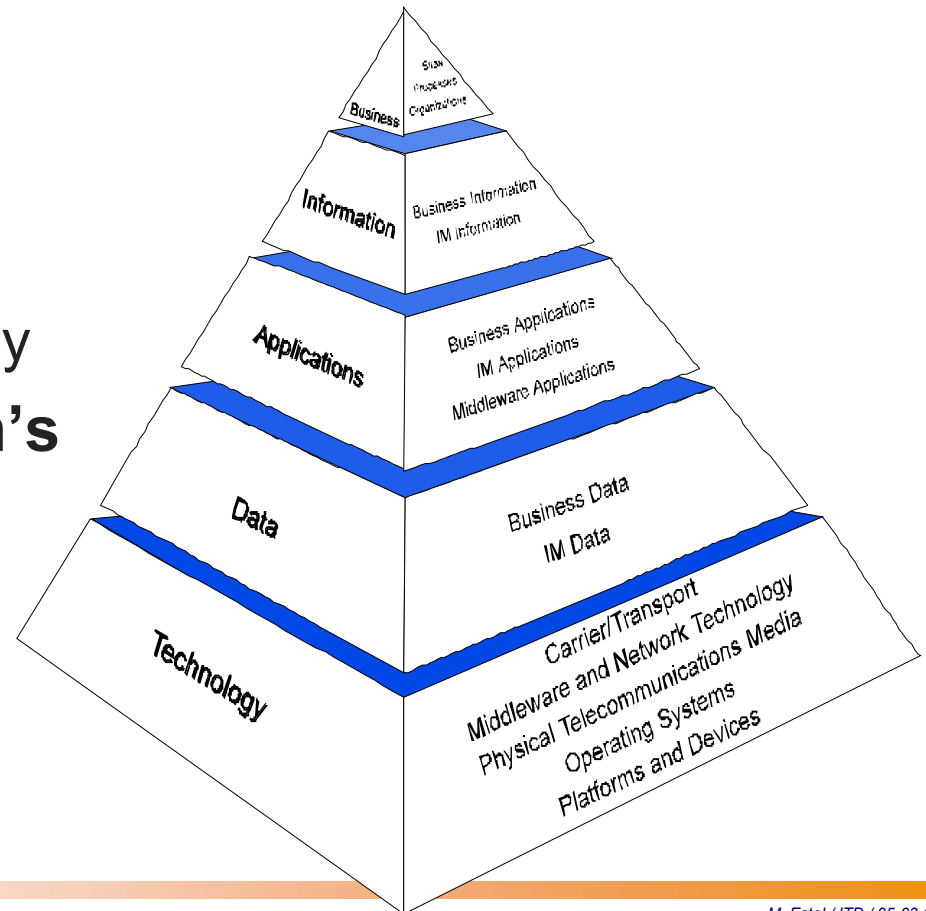
Once Upon a Time, A Long Time Ago . . .

- **“Information Architecture” team at Morgantown in 1996**
- **Following consolidation, EA work continued in the form of Information Architecture Planning Team and the Information Transition to Implementation Team**
- **IAPT began June 1, 1997**
- **IATI finished August 31, 1999**
- **Standing EA Team started August 2000**
- **ITD resources to support EA increased**



Enterprise Architecture (EA)

- Improves organizational performance through aligning
 - information
 - applications
 - data
 - information technology
- with the organization's mission and goals**



Alignment attained through:

- **Applying IT resources based upon systematic process to define business needs**
- **Holistic management of enterprise systems using a portfolio analysis approach**
- **Facilitating communication between the business requirements and the information technology organization**
- **Adhering to organization wide information policies and procedures**
- **Mapping and managing the relationship between processes and information**

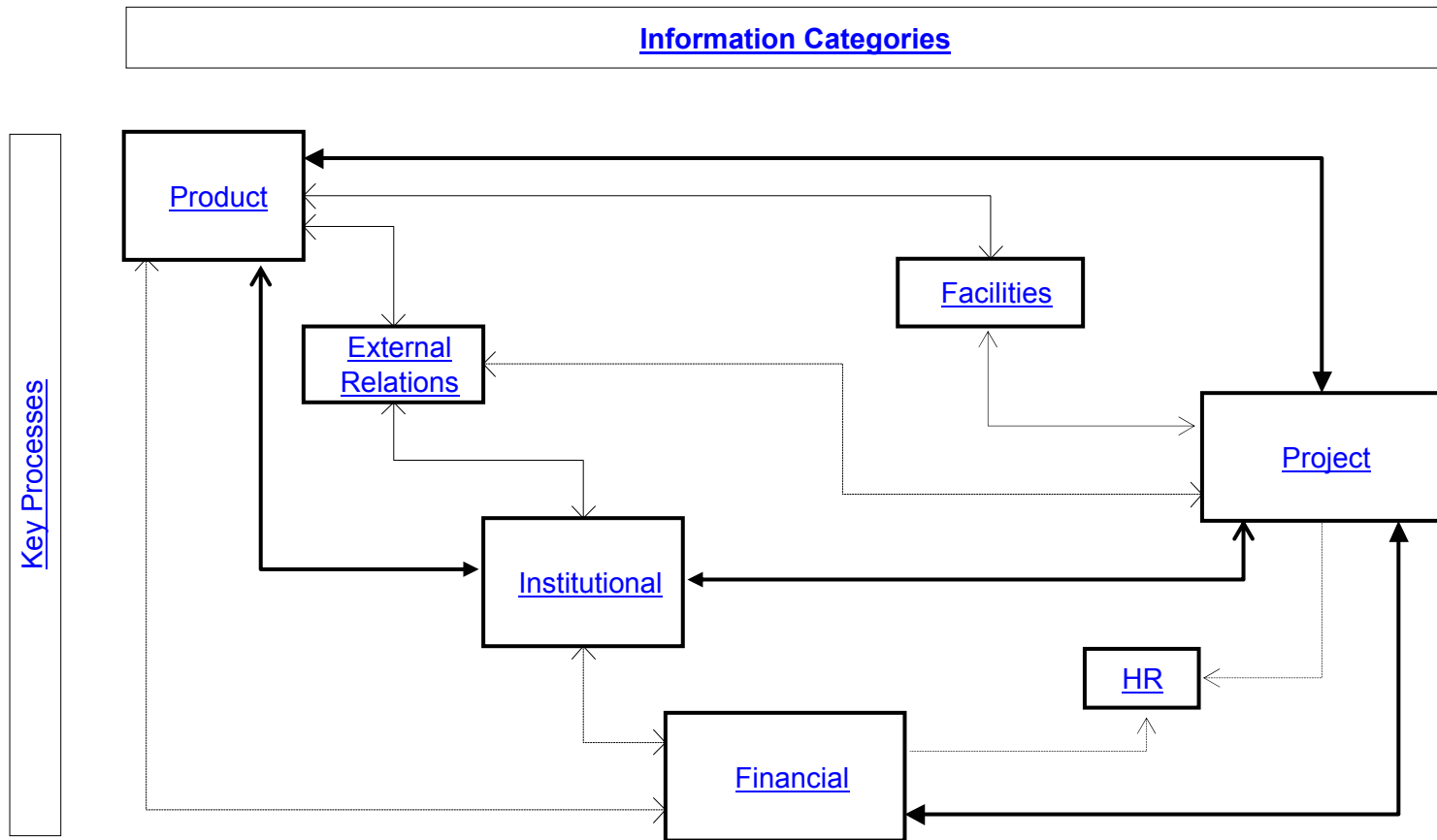


Benefits of EA Include:

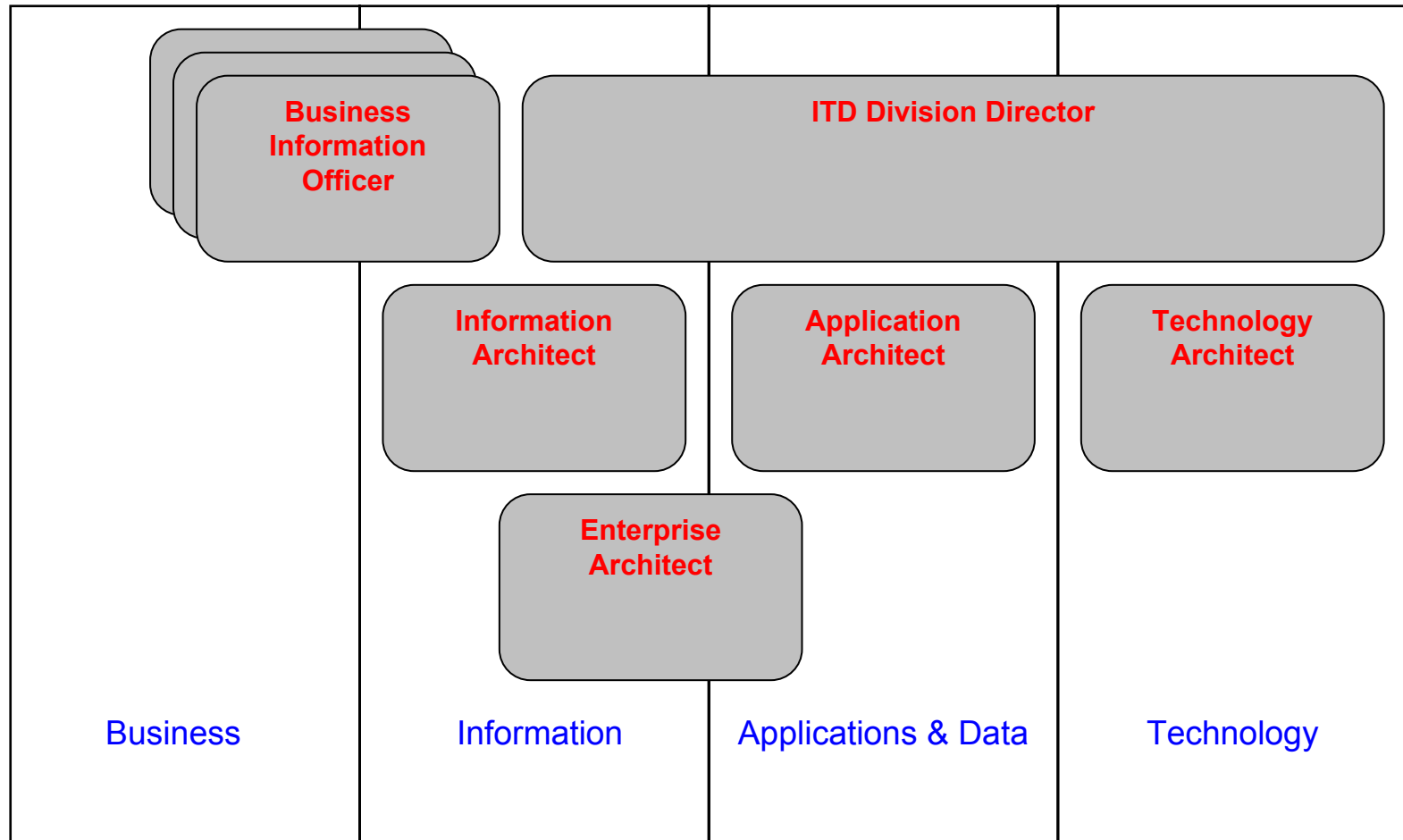
- **More efficient and effective information system development**
- **Identify poorly supported information flows**
- **Identify inadequately supported key processes**
- **Information structure will be clearly based on a shared vision of organizational goals**
- **Modeling provides potential for process improvement**
- **Ability to adapt to changing business needs**



Strategic Structural Model

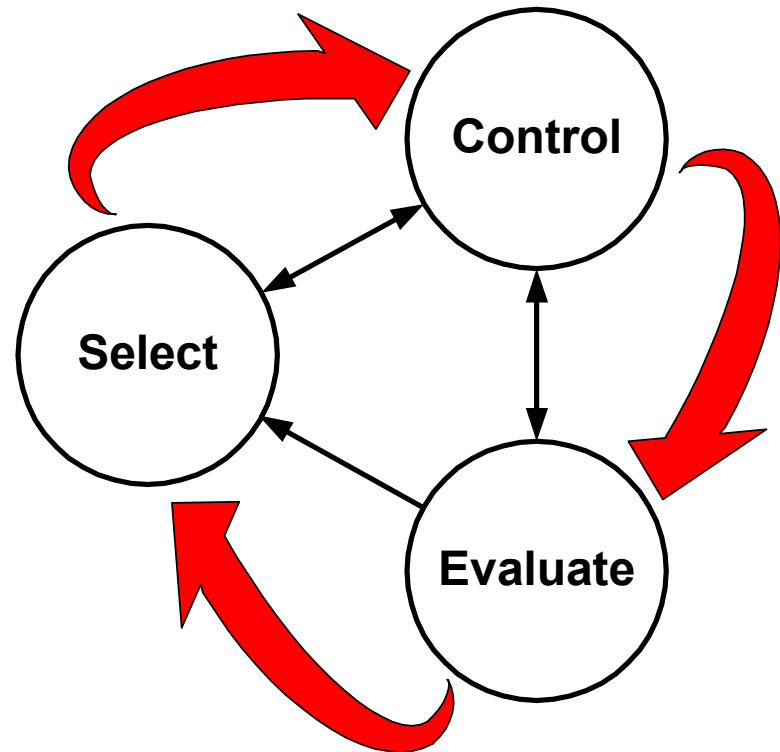


EA Team: Where Business and Technology Meet

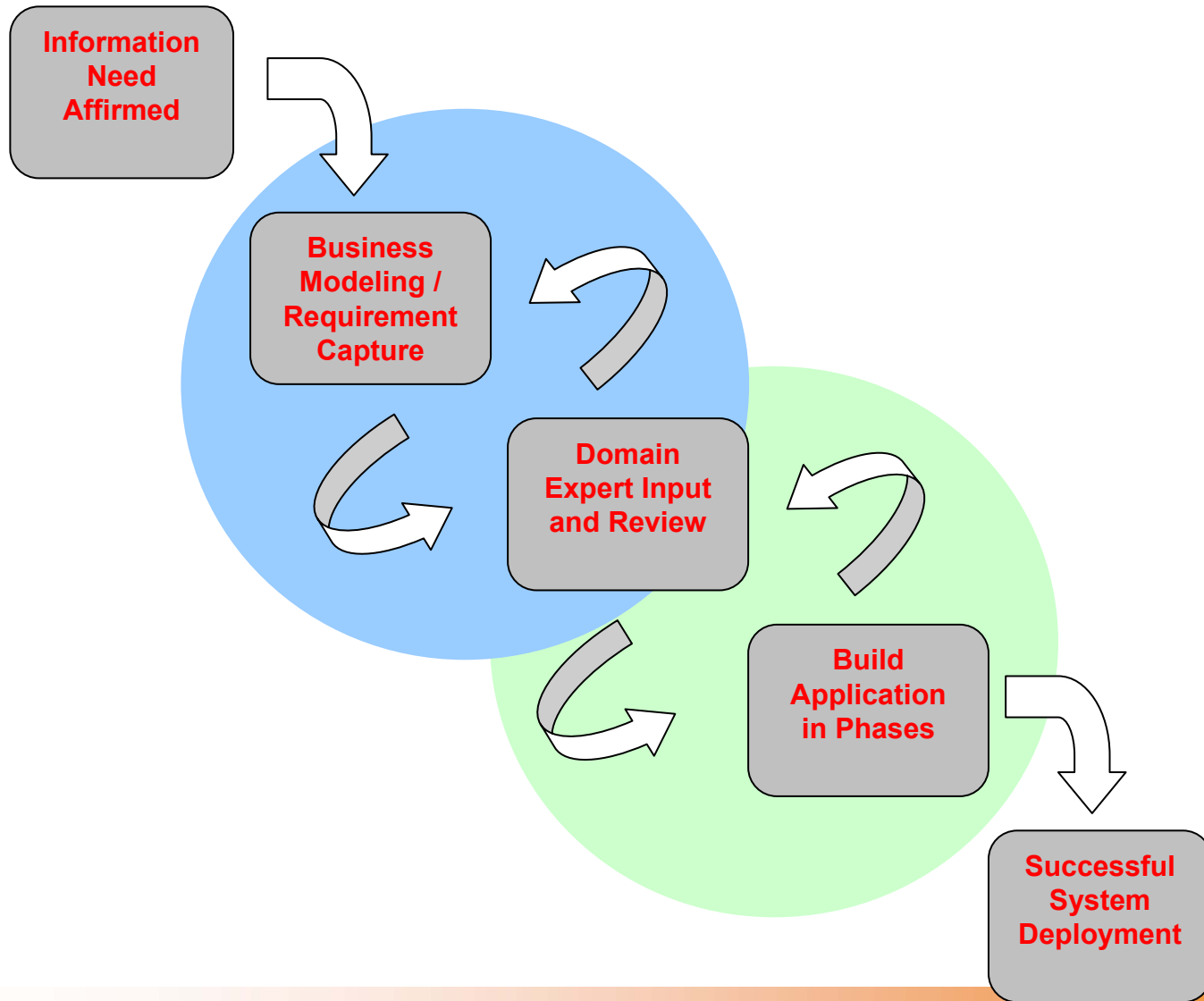


EA Investment Management Process

- Provides life-cycle management
- Maximizes the ROI
- Conforms to legislative requirements



Application Development Process



What's been accomplished?

- **EA Team is up and running**
- **EA Investment Management Process being used to select ES projects**
- **Business representatives (BIOs) are engaged and have management support**
- **Domain experts are involved**
- **Pilot Modeling Effort**
 - Unsolicited Proposal Process
 - Event Management
- **Modeling Project Management Hub of the EA**



What's been accomplished? (continued)

- **Improved communication between ITD and its customer**
- **Helped NETL customers better understand their processes**
- **Raised strategic value of ITD within NETL**
- **Compliance with Clinger-Cohen Act**



Where are we headed?

- **EA can evolve into a significant tool to aid in the management of NETL**
 - Using Zachman framework and CASEwise Corporate Modeler to connect the plan to the implementation
 - Impact of Organizational Change Understood
 - Information, Process and Goals managed
- **The E-Team is performing business modeling for many of the 2002 ES projects**
- **Anticipate business modeling for all new 2003 ES projects**
- **We're learning and maturing as we proceed**



Questions / Comments?

